

## Hazard Review and Work Authorization for Use of the Snow Blower at TA-54-1001

**Purpose** This Meteorology and Air Quality Group (MAQ) hazard review (HR) describes the safe operation of the snow blower around the "Cave" at TA-54-1001 to clear snow from paths and parking areas.

**Scope** This HR applies to the group-owned snowblower kept at TA-54, Building 1001.

**History of revision** This table lists the revision history and effective dates of this Hazard Review.

Revision	Date	Description Of Changes
0	2/6/03	New document, issued as HCP.
1		Revised from HCP format to HR.

**Signatures**

Prepared by:  _____ Jake Martinez, MAQ	Date:  <u>2/3/05</u>	Approved by:  _____ Craig Eberhart, environmental Air Monitoring Project	Date:  <u>2/4/05</u>
Approved by:  _____ Terry Morgan, QA Officer	Date:  <u>2/3/05</u>	Work authorized by:  _____ Jean Dewart, MAQ Group Leader	Date:  <u>2/7/05</u>

02/09/05

### CONTROLLED DOCUMENT

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Users are responsible for ensuring they work to the latest approved revision.

## Activity Description/Overview

Work tasks/Steps	Hazards, Concerns, and Potential accidents; Likelihood/ Severity	Controls, Preventive Measures (e.g., safety equipment, administrative controls, etc.)	Hazard Level from IMP 300-00-00 Hazard Grading Matrix
Start snow blower according to manufacturer's instructions in owners manual.	Electrical shock in wet conditions.	For starting, use only three-wire extension cord with GFCI protection.	Low
Operate snow blower according to manufacturer's instructions in owners manual.	Injury to hands and fingers from reaching inside moving machinery.  Improbable / catastrophic = medium	Read, understand, and follow complete instructions in operator's manual for the snow thrower.  Do not wear scarves, jewelry, and loose clothing that could become entangled.	Low
Same as above.	Injury to eyes and face from flying debris.  Occasional / moderate = low	Wear gloves and safety glasses or eye shield.	Low
Same as above.	Injury to others in area from flying debris.  Probable / moderate = medium	Be aware of surroundings and other people passing nearby -- aim the discharge chute away from people and vehicles at all times.	Low
Same as above.	Damage to property from flying debris. Flying debris can break windows and otherwise damage nearby vehicles and other equipment.  Probable / moderate = medium	When using the snow thrower over gravel, raise the height adjustment (skid shoe) so the thrower is at least two inches above the surface and does not pick up gravel. Use extreme caution when operating over gravel and aim the chute away from vehicles, people, and equipment. Gravel can also damage the machine if ingested.	Low

<b>Work tasks/Steps</b>	<b>Hazards, Concerns, and Potential accidents; Likelihood/ Severity</b>	<b>Controls, Preventive Measures (e.g., safety equipment, administrative controls, etc.)</b>	<b>Hazard Level from IMP 300-00-00 Hazard Grading Matrix</b>
Same as above.	Inhalation of exhaust gases can cause respiratory harm.  Improbable / critical = low	Stay upwind, avoid the smell of exhaust fumes.	Low
Clean out machine if necessary.	Injury to hands and fingers from reaching inside moving machinery.  Improbable / catastrophic = medium	NEVER use hands to clean snow from discharge chute or auger housing -- use the supplied tool. Shut off engine before cleaning.	Low
Refuel engine when needed.	Fuel spills, fires. Fuel can be spilled on the hot engine and start a fire. Storage and transportation of fuel creates risks of spillage.  Occasional / critical = medium	When refueling: Only do refueling OUTDOORS and AFTER the engine has cooled for at least 5 minutes. Carry gas in approved safety gas cans only -- MAXIMUM 8 gallons. Wear safety glasses when refueling. Check engine oil at each refueling. Leave MAX of 17 oz in engine fuel tank.  When filling gas cans: Always put the can ON THE GROUND when adding gas. Cans in the bed of a truck, especially one with a bed liner, are often not grounded and a spark can occur between the gas nozzle and the can. Many fires have occurred this way.	Low

**Prerequisites** In addition to training to this HR, the following training is required before performing work in this HR:

- Read manufacturer's manual

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**Wastes or  
residual  
materials  
resulting from  
process**

None.

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**Emergency  
actions to take  
in event of  
control failure**

For all injuries, provide first aid and see that injured person is taken to Occupational Medicine (only if immediate medical attention is not required) or the hospital. Notify supervisor and group office as soon as possible.

[Click here to record “self-study” training to this HR.](#)

NOTE: Training to this document, as recorded in the EDS system, constitutes authorization to perform the work.